

Book Reviews

THE TONSILS, FAUCIAL, LINGUAL, AND PHARYNGEAL, WITH SOME ACCOUNT OF THE POSTERIOR AND LATERAL PHARYNGEAL NODULES. By HARRY A. BARNES, M.D. Illustrated. Price, \$3.00. St. Louis: C. V. Mosby Company, 1914.

This book presents in a clear and interesting form a résumé of our present knowledge about the tonsils. The development and anatomy are described and what is known of the functions discussed. The pathological and clinical features are of particular interest and are treated in a very satisfactory manner. The work is fully illustrated with microphotographs and drawings, which are good and add much to the interest of the text. The author is to be congratulated upon his excellent work.

TEXT-BOOK OF MEDICAL CHEMISTRY AND TOXICOLOGY. Fourth edition. By JAMES W. HOLLAND, A.M., M.D., Sc.D., emeritus professor of medical chemistry and toxicology, and Dean, Jefferson Medical College, Philadelphia. W. B. Saunders, Philadelphia and London, 1915. Price, \$3.00 net. Canadian agents: J. F. Hartz Company, Limited, Toronto.

THIS is a book of six hundred and fifty pages and index, with the addition of several coloured plates. Its contents are divided into, Introduction—metrology, heat, magnetism and electricity, and light, sixty-one pages; The Chemical Elements—non metals and metals, three hundred and two pages; Organic Chemistry, one hundred and eighty-four pages; Physiologic Chemistry, one hundred and three pages. The author describes under metrology the various units of weight and measure, and specific gravity. Under heat he takes up thermometry, specific heat, freezing, boiling and evaporation, indicating briefly the application of the Le Chatelier principle and the phase diagram. In the section on electricity and magnetism the various battery cells are described, also the principles of the induction coil and the methods for the production of cathode and Roentgen rays; whilst under light is

included an account of the methods of polarimetry and spectroscopy.

The systematic treatment of the elements commences with the study of oxygen, ozone, hydrogen, water and hydrogen dioxide, and illustrations are given of reversible processes, mass action, chemical equilibria, intrinsic energy. Then follows a chapter on solution, diffusion, dialysis and osmosis. After discussing nitrogen and the atmosphere and carbon and its oxides, the author proceeds to state the atomic and molecular constitution of matter. Avogadro's Law is deduced from the behaviour of different gases under changing temperature and pressure. From this we are led up to Gay Lussac's law of combining volumes which is summarized in the following forms, "gaseous elements combine in equal volumes for their respective atomic weights."

The treatment of the elements and compounds may be illustrated by the case of iodine which is discussed under the following paragraphs: occurrence, preparation, physical properties, chemical properties, starch iodide, iodides, incompatibles, medical uses, toxicology, symptoms, fatal dose, fatal period, treatment, post-mortem appearance, detection, iodism, hydrogen iodide, U.S.P. preparations, oxyacids.

The cyanogen group and oxalic acid are treated under the non metals. A table of the elements is given in which elements of the same valence are grouped together with the atomic weights in arithmetical progression. This lacks many of the best features of Mendelejeff's table, and does not appear to have any advantages over the latter. A final group has to be reserved for metals that will not fit in anywhere else and in this group copper, silver and gold appear along with the iron and platinum families.

The discussion of the organic compounds follows the usual kind of sequence except that the aliphatic amines and amides are left out till the end of the aromatic series when a chapter follows on ammonia derivatives including aliphatic amines, amides, urea, amido acids and alkaloids. There follow sections on ptomaines, toxins, proteins, ferments. The physiological section includes energy of foods, digestion, saliva, gastric and pancreatic juice, bile, intestinal juice, blood, faeces, milk, and urine.

Books Received

The following books have been received and the courtesy of the publishers in sending them is duly acknowledged. Reviews will be made from time to time of books selected from those which have been received.

PRACTICAL MEDICINE SERIES. Edited by CHARLES L. MIX. Chicago, Year Book Publishers, 1915. Vol. V, PEDIATRICS; ORTHOPEDIC SURGERY. Edited by JOHN RIDLON, A.M., M.D., professor of orthopedic surgery, Northwestern University Medical School, with the collaboration of CHARLES A. PARKER, M.D. Price \$1.35.

TEXT-BOOK OF SURGERY, FOR STUDENTS AND PRACTITIONERS. By GEORGE EMERSON BREWER, A.M., M.D., professor of surgery at the College of Physicians and Surgeons, Columbia University, New York; assisted by ADRIAN V. S. LAMBERT, M.D., associate professor of surgery, College of Physicians and Surgeons, Columbia University; and by MEMBERS OF THE SURGICAL TEACHING STAFF OF COLUMBIA UNIVERSITY, third and enlarged edition, thoroughly revised and rewritten Lea & Febiger, Philadelphia and New York, 1915.

INDEX OF PROGNOSIS, AND END-RESULTS OF TREATMENT. By VARIOUS WRITERS. Edited by A. RENDLE SHORT, M.D., B.S., B.Sc. (Lond.), F.R.C.S. (Eng.), Hunterian professor, Royal College of Surgeons. Bristol: John Wright & Sons, Limited. London: Simpkins, Marshall, Hamilton, Kent & Company, Limited. Toronto: The Macmillan Company of Canada, Limited, 1915.

FRACTURES AND DISLOCATIONS, DIAGNOSIS AND TREATMENT. By MILLER E. PRESTON, A.B., M.D., first lieut. M.R.C., U.S.A., with a chapter on RONTGENOLOGY. By H. G. STOVER, M.D., professor of rontgenology, School of Medicine, University of Colorado. St. Louis: C. V. Mosby Company, 1915.

OPERATIVE GYNÆCOLOGY. By HARRY STURGEON CROSSEN, M.D., F.A.C.S., associate in gynæcology, Washington University Medical School, and associate gynæcologist to the Barnes Hospital. St. Louis: C. V. Mosby Company, 1915. Price \$7.50

THE BIOLOGY AND TREATMENT OF VENEREAL DISEASES, and THE BIOLOGY OF INFLAMMATION AND ITS RELATIONSHIP TO MALIGNANT DISEASE. By J. E. R. McDONAGH, F.R.C.S., surgeon to out-patients, London Lock Hospital. London: Harrison and Sons, 45 Pall Mall, S.W., 1915.

THE ETIOLOGY OF TYPHUS EXANTHEMATICUS. By HARRY PLOTZ, PETER K. OLITZKY, and GEORGE BAEHR, from the pathological laboratory, Mount Sinai Hospital, New York. Reprinted from *The Journal of Infectious Diseases*, Vol. 17, No. 1, July, 1915, pp. 1-68.

HANDBOOK OF PHYSIOLOGY. By W. D. HALLIBURTON, M.D., LL.D., F.R.C.P., F.R.S., professor of physiology, King's College, London. Twelfth edition, with nearly 600 illustrations in the text. Philadelphia: P. Blackiston's Son & Company, 1012 Walnut Street, 1915. Price, \$3.00 net.

DISEASES OF THE NERVOUS SYSTEM: A TEXTBOOK OF NEUROLOGY AND PSYCHIATRY. By SMITH ELY JELLIFFE, M.D., Ph.D., adjunct professor of diseases of the mind and nervous system, New York Post-Graduate Medical School and Hospital; and WILLIAM A. WHITE, M.D., superintendent of the Government Hospital for the Insane, Washington, D.C., professor of nervous and mental diseases, Georgetown University. Illustrated with 331 engravings and 11 plates. Lea & Febiger, Philadelphia and New York, 1915.

POTTER'S COMPEND OF HUMAN ANATOMY. Revised by D. GREGG METHENY, M.D., L.R.C.P. and S. (Edin.), L.F.P.S. (Glasgow), associate in anatomy, Jefferson Medical College, Philadelphia. Eighth edition, with 139 illustrations; also numerous tables and 16 plates of the arteries and nerves. Philadelphia: P. Blackiston's Son & Company, 1012 Walnut Street, 1915. Price, \$1.00 net.

TRANSACTIONS OF THE AMERICAN UROLOGICAL ASSOCIATION:
THIRTEENTH ANNUAL MEETING AT PHILADELPHIA, PENN.,
JUNE 18TH, 19TH, 20TH, 1914. Publication Committee:
HUGH CABOT, RICHARD FROTHINGHAM O'NEIL, GEORGE
GILBERT SMITH. Printed for the Association at the River-
dale Press, Brookline, Mass., 1915.

COLLECTED CONTRIBUTIONS, (a) PSYCHOPATHIC HOSPITAL. De-
partment of the Boston State Hospital. Whole numbers
35-63 (1914.1-1914.29). (b) **STATE BOARD OF INSANITY.**
Whole numbers 21-34 (1914.1-1914.14). 1914, Boston,
Mass.

AIDS TO PHYSIOLOGY By JOHN TAIT, M.D., D.Sc., lecturer in
experimental physiology, Edinburgh University; and R. A.
KRAUSE, M.D., D.Sc., lecturer in hygiene, College of
Hygiene and Physical Education, Dunfermline. Publishers:
Baillière, Tindall & Cox, 8 Henrietta Street, Covent Garden,
London, 1915. Price, 3s. net.

THE NEW PSYCHIATRY. Being the Morison Lectures delivered at
the Royal College of Physicians of Edinburgh in March,
1915. By W. H. B. STODDART, M.D., F.R.C.P., lecturer on
mental diseases to St. Thomas's Hospital. Publishers:
Baillière, Tindall & Cox, 8 Henrietta Street, Covent
Garden, London, 1915. Price, 3s. 6d. net.

THE first official list of casualties in the Canadian Expedi-
tionary Force was issued October 25th. The figures are complete
up to October 16th last. Total number of casualties, 15,187;
killed in action, 94 officers, 1,625 men; died of wounds, 25 officers,
654 men; died of illness, 6 officers, 172 men; accidentally killed, 2
officers, 38 men; prisoners of war, 56 officers, 1,251 men; missing,
32 officers, 1,110 men; wounded and ill, 467 officers, 9,660 men.
The figures given for those wounded and ill include all who have
passed through the field hospitals, many of whom were able to
return to their regiments in a very short time.